



**Muniyal**

# **MUNIYAL CHEMICALS**

**INDUSTRIAL WATER TREATMENT CHEMICALS**

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103, Krishnai Arcade Busarali Nagar Kalwa West Thane 400605.

# SUSTAINABLE INTEGRATED WATER AND FUEL MANAGEMENT SOLUTIONS

Muniyal chemicals, a flagship division of Muniyal Limited, with proven expertise of over decades, offers gamut of "Specialty Water and Fuel Management Solutions" encompassing

- **Cooling Water Treatment Chemicals**
- **RO Membrane Treatment Chemicals**
- **Boiler Water Treatment Chemicals**
- **Chiller Plant Chemical**
- **Fuel and Fire Side Additives**

With ever increasing concern on availability of water, fossil fuels and environment regulations, our products and monitoring techniques provide eco-friendly solutions to improve efficiency and performance, conserve energy and preserve the environment.



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## COOLING WATER TREATMENT

### Combination of polymer & an organo-inorganic formulation of liquid chemicals

- **MUNICHEM-CC1 /MUNICHEM-CC2** is based on cathodic - anodic Corrosion Inhibitor **MUNICHEM-CC2** based on Co-Polymer, Zinc Organophosphonate based chemistry for MS /SS and copper Corrosion protection. It is phosphate base chemical
- **MUNICHEM-CC3** it is used to control the alkalinity in Cooling Tower is called as alkalinity controller
- **MUNICHEM-CC4** it is a Microbiocide, quaternary ammonium compound base Biocide
- **MUNICHEM-CC5** it is penta chloro phenate non Oxidizing Biocide in liquid form. it controls algae, fungi, and bacteria. it effective wide range of ph 6.5 to 9.0, it use for cooling tower treatment
- **MUNICHEM-CC6** it is a biocide to control the bacteria present in cooling tower water, isothiazolin base
- **MUNICHEM-CC7** it is a dispersant, it control the deposition of  $PO_4$ ,  $SO_4$ ,  $SiO_2$ , and calcium scales
- **MUNICHEM-CC8/MUNICHEM-CC9** it is a nitrite or molybdate base liquid formulation chemical. Ph buffer and yellow metal Corrosion Inhibitor, it use cooling system like dg set and chiller
- **MUNICHEM-CC10** it is bromine base biocide, it works more effective under alkaline condition



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## BOILER WATER TREATMENT

### Steam Reliability At Condensed Costs

The boiler, steam generating unit, is the core of an industrial process or power industry. Necessity for maximum operating efficacy, optimal fuel and water consumption have added new dimensions to modern boiler water treatment solutions. Managing the feed, boiler and condensate water with the right water treatment chemicals is essential in extending life of both boiler and associated equipment and effectively control Corrosion, Scaling and Fouling.

### Combination of polymer & an organo -inorganic formulation of liquid chemicals

- **MUNICHEM-BTC1** is use for high pressure ibr boiler treatment chemical, it contain oxygen scavenger. It is formulated for the treatment of boiler using soft or demineralised feed water. it is hydrazine ( $H_2N_2$ ) based chemical.
- **MUNICHEM-BTC2** is use for ibr boiler treatment chemical, it contain oxygen scavenger. It is formulated for the treatment of boiler using soft or demineralised feed water. it is sulphite ( $Na_2SO_3$ ) based chemical.
- **MUNICHEM-BTC3** is use for water tube boiler, it contain corrosion inhibitor. It is formulated for the treatment of water tube boiler using soft or demineralised feed water. It is phosphate ( $PO_4$ ) based chemical.
- **MUNICHEM-BTC4, MUNICHEM-BTC7** is single product liquid formulation for ibr boiler. It is formulated for the treatment of ibr boiler using soft or demineralised feed water. It contain corrosion inhibitor ,oxygen scavenger, ph booster, & sludge conditioner.
- **MUNICHEM-BTC5** is single product liquid formulation for non ibr boiler. It is formulated for the treatment of non ibr boiler using soft or demineralised feed water. It contain corrosion inhibitor ,oxygen scavenger & ph booster.
- **MUNICHEM-BTC6** is an alkaline formulation used to increase the alkalinity of boiler feed water. It is use to reduce corrosion of feed water tank, line& pump.
- **MUNICHEM-BTC8** is use for the condensate corrosion inhibitor.
- **MUNICHEM-BTC9** is single product liquid formulation for ibr boiler. It is formulated for the treatment of ibr boiler using soft or demineralised feed water. It is a amine based.

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## SERVICE CHEMICAL

De-Scaling Chemicals **MUNICHEM-SC3**:- is designed to remove the scaling & corrosion products for all type of boiler .it is liquid formulation to remove hardness & low concentrated silica scales that can be removed off line by circulating , it's dilute solution of the chemical. it is a balance formulation of hydrochloric acid, dispersant, wetting agents & corrosion inhibitor

### FEATURES

#### 1. POWERFUL DESCALENT **MUNICHEM-SC3**

is safe & non corrosive for descaling, it dissolves hardness scales quickly & completely

#### 2. SAFE FOR METALS **MUNICHEM-SC3**

contains a synthetic polymeric corrosion inhibitor which forms protective film on the parent metal surface to prevent acid attack

#### 3. DETERGENT ACTION **MUNICHEM-SC3**

contains a wetting agent which emulsifies oil grease present in the deposits. the detergent action of **MUNICHEM-SC3** looses dirt, silt, etc... which can be removed during water flushing

## REVERSE OSMOSIS MEMBRANE TREATMENT

Application of these products ensures reliable output , improved recovery , protects membrane from damages and accelerates reverse osmosis.

A specifically designed computational software assists both in product selection and arriving at optimum dosage of RO antiscalants. Our products are compatible with all type of membranes and certified under ANSI/ NSF standards.



### EMAIL

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